AMENDMENTS TO THE CLAIMS

All claims currently pending and under consideration in the subject application are shown below. Claims 1, 9, and 18-21 and 24-26 are amended, claims 5-6 and 22-23 are canceled, claims 13-17 are withdrawn, and new claim 27 is added. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (currently amended) A method for initiating the transmission of data, comprising:

establishing a connection from at least one data source to a destination;

generating at least one session to transmit data via the connection from at least one data source to the destination, wherein generating at least one session comprises invoking an application programming interface and receiving a session acceptance from the destination via the application programming interface;

queuing a set of messages from the at least one session for transmission over the connection to the destination from the data source; and

transmitting messages from the queued set of messages based upon completion information associated with the queued set of messages stored in a queue at the data source.

2.   (original)   A method according to claim 1, wherein the step of establishing a connection comprises a step of establishing a connection in a pipe.

3.   (original)   A method according to claim 1, wherein the step of establishing a connection comprises a step of authenticating at least one of the at least one source and the destination.

4.   (original)   A method according to claim 3, wherein the step of authenticating comprises a step of authenticating both the at least one source and the destination.

Claims 5-6.   (canceled).

7.   (original)   A method according to claim 1, wherein the step of queuing a set of messages comprises a step of queuing the set of messages in at least one input/output buffer.

8.   (original)   A method according to claim 1, wherein the message completion information comprises results from a completion port operation of at least one of sending or receiving.

9.   (currently amended)   A method according to claim 8, further comprising a step of throttling message traffic in the at least one input/output buffer when the completion port is in a ~~non-drained~~ <u>full</u> state.

10.   (original)   A method according to claim 1, wherein the step of transmitting comprises a step of asynchronously transmitting messages from the queued set of messages.

11. (original)   A method according to claim 1, wherein the step of transmitting comprises a step of transmitting encrypted messages from the queued set of messages.

12. (original)   A method according to claim 1, wherein the step of transmitting comprises a step of transmitting via a transport layer.

13. (withdrawn)   A method for receiving a transmission of data in a destination, comprising:

        establishing a connection with at least one data source;

        accepting at least one session from the least one data source to communicate data via the connection; and

        receiving messages from the at least one data source in a destination input/output buffer.

14. (withdrawn)   A method according to claim 13, wherein the step of establishing a connection comprises a step of establishing a connection in a pipe.

15. (withdrawn)   A method according to claim 13, wherein the step of establishing a connection comprises a step of authenticating the at least one source.

16. (withdrawn) A method according to claim 13, wherein further comprising a step of storing the messages in storage.

17. (withdrawn)   A method according to claim 16, wherein the stored messages comprise a data backup of the at least one data source.

18. (currently amended) <u>One more computer-storage media storing instructions for performing a method to send a</u> [[A]] transmissible message<u> over a communication network</u>, the ~~transmissible message being generated according to a~~ method <u>comprising</u> [[of]]:

establishing a connection from at least one data source to a destination;

establishing at least one session to transmit data via the connection from the at least one data source to the destination<u>, wherein establishing at least one session comprises invoking an application programming interface and receiving a session acceptance from the destination</u>;

queuing at least one message from the at least one session for transmission over the connection to the destination<u>, wherein queuing the at least one message comprises queuing the at least one message in at least one input/output buffer</u>; and

regulating the communication of the at least one queued message based upon completion information<u> associated with the at least one input/output buffer</u>.

19. (currently amended) <u>The media</u> ~~A method~~ according to claim 18, wherein the step of

establishing a connection comprises a step of establishing a connection in a pipe.

20. (currently amended) <u>The media</u> ~~A method~~ according to claim 18, wherein the step of establishing a connection comprises a step of authenticating at least one of the at least one source and the destination.

21.   (currently amended) The media ~~A method~~ A method according to claim 20, wherein the step of authenticating comprises a step of authenticating both the at least one source and the destination.

Claims 22-23. (canceled).

24.   (currently amended) The media ~~A method~~ according to claim 18, wherein the step of queuing the at least one message comprises a step of queuing the at least one message in at least one input/output buffer.

25.   (currently amended) The media ~~A method~~ according to claim 18, wherein the message completion information comprises results from a completion port operation of at least one of sending or receiving.

26.   (currently amended) The media ~~A method~~ according to claim 18, wherein the at least one message comprises at least one encrypted message.

27.   (New) A method for transporting large data sets across a communication network, the method comprising:

establishing one or more sessions between a plurality of data sources and a storage server by transmitting session requests from output queues at each data source to a destination queue at the storage server and transmitting an acknowledgement that the session requests are accepted from the storage server to the data source;

buffering data messages received from each data source at an assigned output queue until the assigned output queue is full;

transmitting the data messages to the destination queue at the storage

server;

receiving an acknowledgment receipt of the data messages received from

each data source having a window size remaining at the destination queue; and

transmitting additional data messages from the data sources to the

destination queue at the storage server based on the window size included in the

acknowledgment receipt.